Multiplying Whole Numbers

Find 436 x 78

Multiply by the ones.

1. 8 x 6 ones = 48 ones.
2. Regroup 48 ones as 4 tens 8 ones.
3. Multiply 8 x 3 tens =24 tens.
4. 24 tens + 4 tens = 28 tens.
5. Regroup 28 tens as 2 hundreds and 8 tens.
6. Multiply 8 x 4 hundreds = 32 hundreds.
7. 32 hundreds + 2 hundreds = 34 hundreds.
8. Regroup 34 hundreds as 3 thousands and 4 hundreds.

Multiply by the tens.

9. 70 x 6 ones = 420 ones.
10. Regroup 420 ones as 4 hundreds and 2 tens.
11. Multiply 70 x 3 tens = 210 tens.
12. Regroup 210 tens as 21 hundreds.
13. 21 hundreds + 4 hundreds = 25 hundreds.
14. Regroup 25 hundreds as 2 thousands and 5 hundreds.
15. 70 x 4 hundreds = 280 hundreds or 28 thousands.
16. 28 thousands + 2 thousands = 30 thousands.
17. Add the partial products.
8 x 436 = 3,488
70 x 436 = 30,520
3,488 + 30,520 = 34,008